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ANIMAL HUSBANDRY PREMISES AIR CONDITIONING PLANT - HAS MAIN SPRAY CHAMBER WITH BY-PASS CHANNEL AND OUTLET CONNECTED BY ADJUSTABLE FLAP TO OUTLET OF INFLOW AIR DUCT

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Abstract: SU 1590863 A

The plant comprises an inflow air duct (1) with fan (2), heat exchanger (3) and spray chamber (4) with sprays (5) and sump (6), connected by an outlet (7) to atmosphere, and a draught air duct (8) with fan (9) and auxiliary spray chamber (10) with sprays (11) and sump (12). The heat pump is in the form of an evaporator (13), compressor (14), condenser (15) in a through-flow cavity (16), and an adjustable valve (17).

The sump of the auxiliary chamber is connected via the condenser flow cavity by switchable elements (19-25) to the heat exchanger and sprays of the main spray chamber in parallel. The sprays and sump of the auxiliary chamber can be cut out. The main spray chamber has a bypass channel (29). It is connected by an outlet (7) to the outlet of the inflow air duct by an adjustable flap (30), and is in the inflow air duct after the heat exchanger as the air flows.

ADVANTAGE - Is more versatile, makes more use of draught air heat. Bul. 33/7.9.90

Title Terms: ANIMAL; HUSBANDRY; PREMISES; AIR; CONDITION; PLANT; MAIN; SPRAY; CHAMBER; BY-PASS; CHANNEL; OUTLET; CONNECT; ADJUST; FLAP; OUTLET; INFLOW; AIR; DUCT

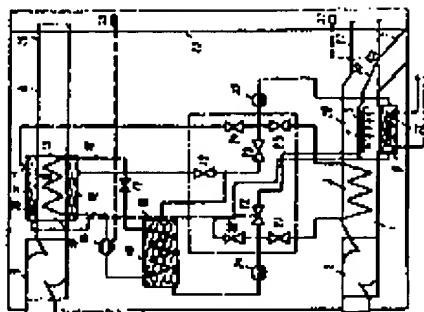
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